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(Revised)
17 November 1956
CIA 488906

STATEMENT OF OBJECTIVES FOR [REDACTED] ELECTRONICS 25X1X7
CONFERENCE ECONOMIC INTELLIGENCE SESSION

First Day:* Session Devoted to Telecommunications Facilities.

Theme and Objectives

The dedicated overall postwar progress of the electronics industry of the USSR, as reflected in scientific and technological developments and in scale and range of product output, does not appear to be reflected by the quality and quantity of electronics products employed in existing basic telecommunications operating resources. If this observation is valid, then it appears that the USSR continues to suffer from priorities insofar as basic telecommunications operating facilities are concerned. In terms of estimated plant in being and of present and future need, these facilities lag from five to ten years behind other priority electronics achievements. The reasons for this situation are not clear. In fact, Soviet realism normally would suggest that the situation would not be permitted to exist.

The papers and discussion with respect to telecommunications facilities and services address themselves to the general question of the status of USSR facilities and services. Although the papers treat specific aspects of the general problem, it is hoped that discussion of the individual papers will contribute to a better judgment on the general question. For this purpose the last paper in this series can be used as a base for bringing together the judgments of the conferees and, to the extent of disagreement, for assembling suggestions on a plan for attacking residual problems.

- * The first day of the Economic Session will follow immediately the last day of the Scientific Session. As presently scheduled, the first day will fall on 20 January 1959.

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Contributor

- ██████████ will prepare the 25X1X7
basic paper, subject to
confirmation.

- Communications Branch,
CIA/ORR, will also
present a short paper
on this subject.

- will prepare this paper, subject to conformation.

- Communications Branch,
CIA/ORR

- Communication Branch,
CIA/ORR

- USA**

- COMMUNICATIONS BRANCH,
CIA/ORR

- FISA**

- Communications Branch,
CIA/ORR

Theme and Objectives

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During this same time period the USSR has developed an electronics production base which in absolute size and in production technology is capable of carrying major scientific and technical achievements into production. It has, however, remained difficult to determine the extent to which conflicting demands for specialized materials and components may exercise quantitative restrictions on specific weapons systems programs and more narrowly circumscribe the range of choices available in Soviet production planning.

It is suggested, therefore, that whereas the absolute size of the electronics industry will remain an important intelligence target, such highly aggregative measures are of limited value in the context of this conference, and in terms of quantitative estimates of specific weapons systems production. The Economic Intelligence Committee of the United States has selected this weakness as one requiring increased analytical emphasis. Despite the extreme importance attached to the problem the nature of currently available source material severely restricts any hope that the required answers will be forthcoming quickly or easily.

The subject is therefore considered to be appropriate for presentation to the conference as a matter of joint concern to the three intelligence communities. It is hoped that as a result of joint consideration new analytical approaches may be brought to light and additional collection efforts can be examined.


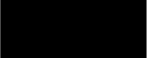
The papers and discussion will focus on the range of priority intelligence questions relating to Bloc capabilities to translate available science and technology into specific weapons systems, the conflicting demands for material and components which may be expected to pose serious problems to the Bloc, and on possible methods for quantifying the most relevant limiting factors. Examples will be provided from United States intelligence analysis.

Conference Paper

Contributor

1. Rate of Growth in Production of
Electronic Components as a Measure
of the Growth in Equipment Production

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| 2. <u>Production and Utilization of Semi-conductor Elements in the USSR</u> | Electronic Equipment Branch, CIA/ORR |
| 3. <u>Evidences of Bloc Vulnerabilities in the Production of Critical Electronic Components and Materials</u> | Electronic Equipment Branch, CIA/ORR |
| 4. <u>Recent Changes in the Allocation of Production Facilities in the Electronics Industry</u> |  25X1X7 |
| 5. <u>Production Trends in the Electronics Industries of the European Satellites</u> | 25X1X7  |
| 6. <u>Production Trends in the Electronics Industry of Communist China</u> | Electronic Equipment Branch, CIA/ORR |
| 7. <u>Improvements in Methods for Obtaining Quantitative Estimates of Production of Electronics for Specific Weapons Systems</u> | Electronic Equipment Branch, CIA/ORR |